

PATENT ABSTRACTS OF JAPAN

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(21) Application number : 10-037553 (71) Applicant : OLYMPUS OPTICAL CO LTD

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(54) CAPSULE TYPE IN VIVO INFORMATION DETECTOR

(57) Abstract:

PROBLEM TO BE SOLVED: To miniaturize a capsule type in vivo information detector and improve the resistance against noise of a transmission means transmitting the detected in vivo information.

SOLUTION: When a patient takes a capsule endoscope 1 in the form of a capsule type in vivo information detector orally, in vivo information such as video image information which is illuminated by a white light LED 12 and is photographed by a CCD 14 is stored in a memory 15 by a control circuit 13. When the capsule type endoscope 1 is discharged out of his body, the LED 12 is demodulated in accordance with in vivo information and emits a light signal having high resistance against noise. Since the LED 12 is an illumination means smaller than

an electric bulb and an transmission means requiring no antenna and serves as the illumination means and the transmission means at the same time, the capsule endoscope can be miniaturized.

